ANALOGUE update

A special bulletin for analogue customers from Telstra MobileNet®

Introducing a new mobile phone network

In October 1998 Telstra confirmed its commitment to building a replacement for the analogue network and announced that the new network would be based on Code Division Multiple Access (CDMA) technology.

Telstra's new CDMA network will be introduced throughout Australia commencing mid-1999, and will operate alongside the analogue network prior to the closure.

Telstra believes that the CDMA network will provide a service that meets the requirements of customers living in regional and rural Australia. Not to mention city-based customers who regularly work in or travel around rural Australia. And of course, there are also those customers who simply prefer the coverage they have experienced with the analogue network.

A change for the better. Telstra's decision to introduce a CDMA network is based on extensive research and evaluation of available mobile network technologies.

CDMA technology provides privacy, security, voice clarity and messaging services - it will even enable fax and data services in the future, so that customers who choose to switch from analogue should find the change brings some noticeable benefits.

A proven system. The CDMA system has an excellent track record. It is successfully used internationally in countries such as the USA, Canada, Hong Kong, Japan, Korea and Singapore. In all there are already some 23 million people around the world using CDMA mobile phone networks and that number should pass 40 million in the near future.

The analogue network is closing

In line with Government requirements, the first stage of the analogue network closure will occur on 31 December 1999 and will include the greater metropolitan and surrounding areas of Melbourne, Sydney, Adelaide, Perth and Brisbane as well as a significant number of country locations. The remaining analogue areas will be closed during the year 2000. As these sites close, they will be replaced by the CDMA network.

As a result of the closure of the analogue network, you'll have the choice of either migrating to an existing digital network, such as Telstra ***MobileNet***® Digital, or to the new CDMA network. You are free to choose which network best suits your needs. Just remember that either way you will need a new mobile phone handset.

Telstra

CDMA: a new, improved kind of service

CDMA technology will deliver a range of new benefits that analogue mobile phone users will find exciting and potentially very useful. For example, if you choose to change over, you'll find that CDMA delivers....

- **Comparable coverage to the analogue network, ensuring that rural customers are not disadvantaged**
- **Smaller, lightweight, high performance handsets**
- **Enhanced voice clarity (some people say it's just like talking on a "normal" phone)**
- **Security which makes it virtually impossible to eavesdrop**
- **All kinds of *Easycall*® facilities, including Call Waiting and Calling Number Display**

Of course, convenient messaging services like Telstra ***MessageBank***® will continue to be available, and in the future, the CDMA network will offer other features including...

- **Advanced text messaging**
- **Fax & Data services**

Let's map out the changes for you

The maps in this section give you an overview of the current MobileNet Analogue coverage area in your State or Territory. The green lines on each map show the areas in which analogue radio reception will be non-existent or degraded from 31 December 1999.

Please bear in mind, however, that due to the nature of mobile phone radio signals, there may be some places inside the areas indicated where an analogue phone may continue to work. For example, around the fringes of the indicated areas, radio reception from base stations which remain open may enable you to send and receive calls in some situations. It is not possible to predict the performance of these radio signals and therefore you should not rely on receiving coverage inside the areas shown.

Telstra will be introducing its CDMA network into the areas marked over the coming months, and this should ensure continuity of service for analogue customers.

For more detailed information about the areas affected, visit our website at

www.mobilenet.telstra.com.au

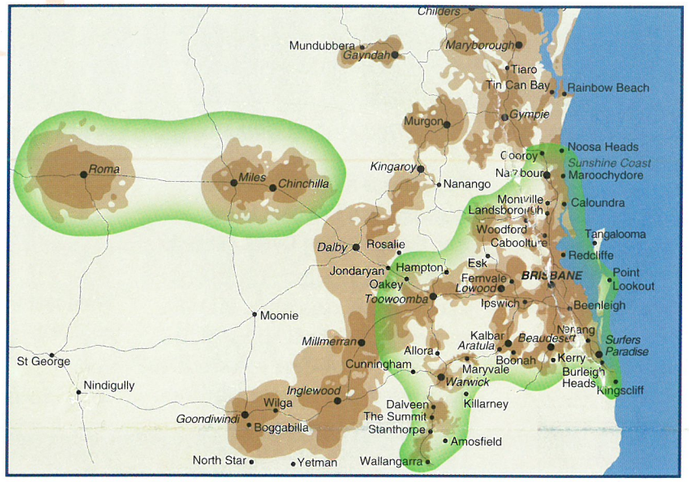
QLD

In Queensland, two major areas of analogue coverage will be affected on 31 December 1999.

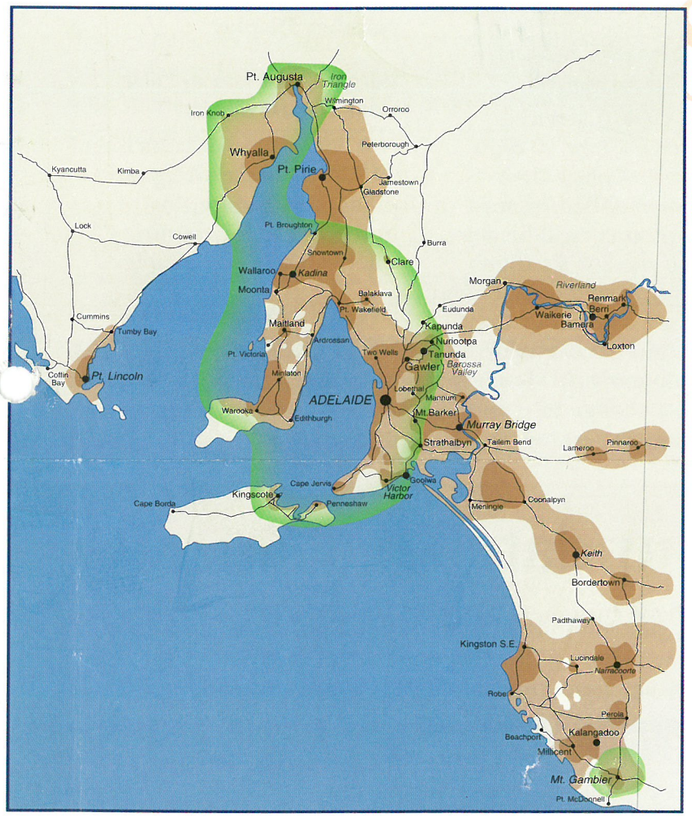
The first major area is a coastal strip in Southern Queensland. The area runs from Noosa Heads in the north, down the Sunshine coast taking in greater Brisbane and the Gold Coast, ending at the NSW border.

It then extends south west of Brisbane, running along the length of the New England Highway from Toowoomba to the NSW border.

The second area lies to the west of Brisbane and extends from Brisbane to Roma. This area includes Miles and Chinchilla, but excludes Dalby.



SA



In South Australia, two areas of analogue coverage will be affected on 31 December 1999.

The first area includes the towns of Whyalla and Port Augusta and the surrounding areas as far east as Iron Knob.

It also includes the entire length of the Yorke Peninsula from Edithburgh in the south to Port Broughton in the north. It then extends from Port Broughton across to Clare. The eastern border runs from Clare, past Elizabeth and down to Victor Harbour in the south. This area includes the entire Fleurieu Peninsula as well as the Adelaide metropolitan area.

The second area covers the town of Mt Gambier and its surrounding areas.

Current analogue hand held/vehicle/transportable coverage

Current analogue vehicle/transportable coverage

No analogue coverage in this area

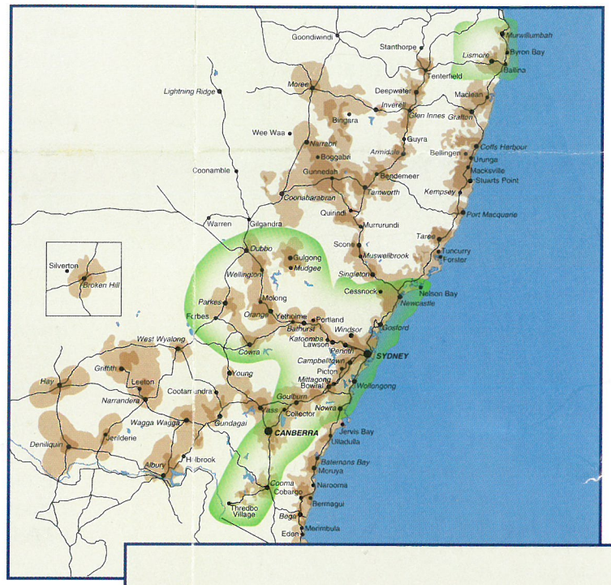
Non-existent/degraded on 31 Dec. 99

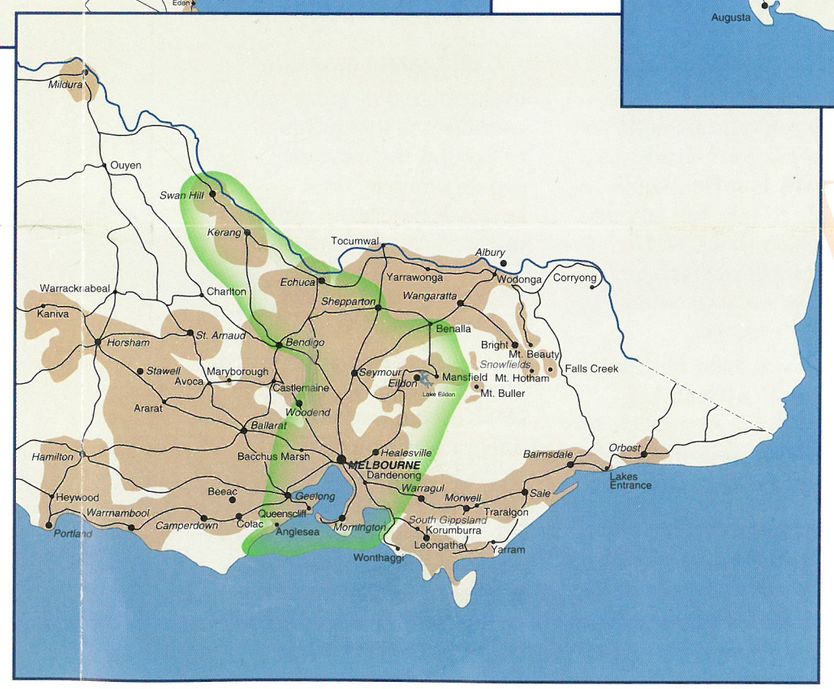
NSW

In NSW, the major areas of analogue coverage that will be affected on 31 December 1999 are the Central Coast, starting at Newcastle, extending past Gosford and across Sydney through Wollongong to Nowra. It also covers the Federal Highway corridor from Sydney to Canberra, including Goulburn and extends to the NSW snow fields.

North west of Sydney including Cowra, Orange, Dubbo and Lithgow, will also be affected.

The second area is the top north east corner of NSW, covering Coolangatta/Tweed Heads, Byron Bay, Ballina and Lismore. It does not include Grafton.





Northern Territory

No analogue coverage areas in the Northern Territory will close on 31 December 1999.

ACT

All analogue coverage areas within the ACT (including Canberra) will be affected on 31 December 1999.

Tasmania

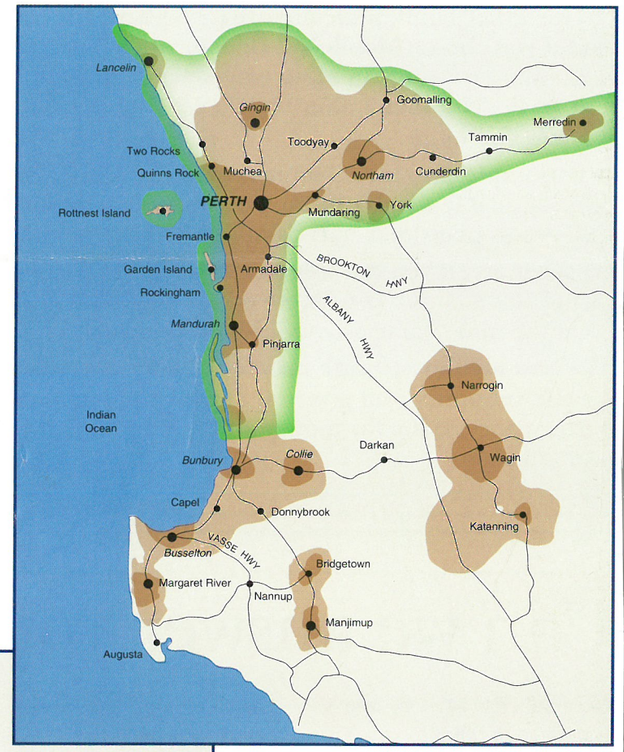
No analogue coverage areas in Tasmania will close on 31 December 1999.

WA

In Western Australia, the areas in which analogue coverage will be affected on 31 December 1999 are shown below.

The northern border of the area starts at Lancelin and runs east past the Gingin township and extends along the length of the Great Eastern Highway from Perth, through to Northam to Merredin.

The south-eastern border runs down from Mundaring, past Armadale and extends as far south as the Harvey/Wokalup area. The southern boundary extends from Wokalup west across to Myalup on the coast. This region includes the Perth metropolitan area, Rottnest Island and Garden Island.



VIC

In Victoria, the areas in which analogue coverage will be affected on 31 December 1999 include the greater Melbourne area, Geelong and surrounding regions, Mornington Peninsula and Central Victoria. This area is bounded by three borders in the north-east, south-east and in the west.

The north-east border extends from Benalla past Shepparton to the NSW border at Echuca. Analogue coverage will not be available in either Benalla or Shepparton.

The south-east border runs from Mansfield, past Healesville and extends to San Remo (near Phillip Island) on the coast.

The western border, starts at Lorne on the coast, extends past Daylesford, past Wedderburn and onto Swan Hill at the NSW border.

Which network will be best for my needs?

If you rely on the kind of extensive coverage that analogue currently provides, we expect that CDMA will be your preferred option. Especially if, as mentioned elsewhere in this Update, you live in or travel frequently around rural and regional areas of Australia.

On the other hand, remember that you have the option of moving to digital right now. And if you choose MobileNet Digital, you'll have the unique benefit of the best in-building coverage in more places across Sydney, Melbourne, Brisbane, Adelaide and Perth†. Not to mention MobileNet Digital's extensive International Roaming services and more.

Just as importantly, for a limited time, there are a range of fantastic MobileNet Digital offers available which can provide you with a digital handset at low cost, packaged with access plans that start from just $10 per month.

What's more, if you transfer from MobileNet Analogue, there's no connection fee, saving you $65. (Of course, we do ask that your new MobileNet Digital account must be in the same name as your old analogue one.)

The bottom line is; weigh up your options and relax in the knowledge that either MobileNet option will give you a mobile phone service that offers excellent performance, value for money and a commitment to being there for you in the years to come.

† Best indoor coverage in more places across Melbourne, Sydney, Brisbane, Adelaide and Perth is based on testing conducted by Telstra in June 1998. Testing and analysis methods were independently audited and endorsed by PA Consulting Group.

Can we answer your questions?

When will I find out if my area will be covered by CDMA?

The launch and "rollout" of CDMA will be coordinated with the phasing out of the analogue network.

For the areas in which the analogue network will close on 31 December 1999, the Telstra CDMA network is planned to commence operation by October 1999. In these areas, CDMA and analogue will operate simultaneously. This will minimise the impact of the analogue network's closure.

Customers in rural areas covered by MobileNet Analogue will be encouraged to upgrade their phone to a CDMA handset well before the analogue network closes in the relevant areas. If you do choose to upgrade to a CDMA handset, you'll be able to take advantage of the fact that CDMA phones will operate on both the analogue and CDMA networks.

Telstra will keep MobileNet Analogue customers informed of network closure and CDMA rollout details as they become available.

Does the introduction of CDMA mean that Telstra has stopped expanding its Digital network?

The CDMA network service will complement, not replace, the existing MobileNet Digital network. Telstra remains fully committed to the Digital network and continues to invest capital to expand the network capacity and services to keep pace with the growth in the Australian market.

Why do we have to change to a new network?

A long standing government decision requires Telstra to close the analogue network. Telstra is committed to providing the new CDMA network in order to replace the analogue network. This is, among other reasons, to ensure we can continue to meet the needs of people living in or travelling regularly to regional and rural Australia. *see back page* ➤

Can we answer your questions?

Will I need to purchase a new mobile phone?

Yes. If you choose to connect to Telstra's new CDMA network, a different kind of mobile phone is required. Already in use and proven in more than a dozen countries around the world, CDMA handsets have a unique characteristic: they are "dual-mode", or in other words, can work on both an analogue network or a CDMA network!

It's expected that dual-mode CDMA phones will go on sale in Australia just prior to the launch of the CDMA network. The CDMA phone is actually clever enough to operate on both the CDMA and MobileNet Analogue networks.

Please note that if you retain your analogue phone beyond the close date/s and attempt to use it in areas where the analogue network has been closed, it will no longer work.

How much will CDMA phones cost?

CDMA phones are not currently available in Australia. Prior to the launch of the CDMA network, a competitively priced range of phones should be available from a number of outlets. CDMA phones should be priced similarly to comparable digital phones.

If I purchase a CDMA handset overseas, will I be able to use it on the Australian CDMA network?

At this stage, no. Handsets which work on other CDMA networks around the world have not yet been tested and approved as compatible for use on the Telstra CDMA network. Until such time as they are, we recommend that you do not purchase a CDMA phone whilst overseas.

If I switch to CDMA, will I get a new telephone number?

Yes. All CDMA services will receive a new 10 digit number to replace their analogue number. In most cases customers will be able to retain the last six digits of their analogue number and simply get a new four digit prefix. And of course, if you choose to move to MobileNet Digital, a change in phone number is also necessary.

How much will calls over the CDMA network cost?

Telstra's prices for the CDMA network will be announced before the service begins. In the meantime, call costs on the analogue network will remain the same until the network completely closes.

What features will be available on CDMA?

As a CDMA user, you will have access to MessageBank and Easycall just like on the analogue network. However, CDMA will also enable new facilities that were previously unavailable, and one of the first of these will be **Calling Number Display**.

Will I be able to take my CDMA phone overseas with me?

Not at the time of launching CDMA. However, Telstra plans to introduce this in the future for countries where CDMA is available.

If I have a digital mobile phone, will it work on the CDMA network?

No. Digital and CDMA are completely different technologies.

We'll keep you updated

Telstra will be keeping MobileNet Analogue customers informed about the introduction of the new CDMA network throughout 1999.

In the meantime, you can access information about the new CDMA network on the Internet at:

www.mobilenet.telstra.com.au

If necessary, you can also call MobileNet 24 hour Customer Service on:
018 018 111 (no call charge*).

* No call charge where call is made from a Telstra service, except Telecard™.

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